

PRELIMINARY AMENDMENT
U.S. Application No. 10/519,547

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A cylinder lens array which is installed on a path of light emitted from a light source and comprised of lens cells arrayed in such a way that ~~their~~ central axes of the lens cells are inclined at different angles, so that ~~the~~ a light beam which diverges symmetrically with respect to its optical axis is aligned so as to reduce ~~the~~ an angle of the divergence in a certain direction.

2. (Currently Amended) The cylinder lens array of claim 1, wherein the lens cells are arrayed such that the inclination angles of ~~their~~ the central axes increase with distance from the center of the cylinder lens array.

3. (Original) The cylinder lens array of claim 1, wherein the lens cells are arrayed in curved rows.

4. (Currently Amended) The cylinder lens array of claim 1, wherein the lens cells are arrayed such that ~~their~~ the central axes change consecutively.

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5. (Currently Amended) The cylinder lens array of claim 3 or 4, wherein the lens cells are incorporated by connecting ~~their~~ the central axes.

6. (Currently Amended) The cylinder lens array of any of claims 1 through [[5]] 4, wherein the cylinder lens array is symmetric about its vertical bisector and about its horizontal bisector, and is point-symmetric with respect to its center.

7. (Currently Amended) The cylinder lens array of any of claims 1 through [[5]] 4, wherein the lens cells are arrayed such that ~~their~~ the central axes are inclined at angles each corresponding to the sum of ~~the~~ an incidence angle of an incident beam with respect to a vertical central axis of the cylinder lens array and half of an angle by which the incident beam is to be rotated.

8. (Currently Amended) A projection system which forms an image by processing light emitted from a light source using a light valve in response to an input image signal and magnifies and projects the image onto a screen through a projection lens unit, the projection system comprising:

a pair of cylinder lens arrays which are installed on a path of a light beam emitted from the light source and each ~~are~~ is comprised of lens cells arrayed with central axes inclined at different angles, so that ~~the~~ a light beam which diverges symmetrically with respect to its optical axis is aligned so as to reduce ~~the~~ an angle of the divergence in a certain direction.

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9. (Currently Amended) The projection system of claim 8, wherein the lens cells are arranged such that ~~the~~ the inclination angles of ~~their~~ the central axes increase with distance from the center of the cylinder lens array.

10. (Currently Amended) The projection system of claim 8, wherein the lens cells are disposed such that ~~their~~ the central axes are arrayed in curved rows.

11. (Currently Amended) The projection system of claim 8, wherein the lens cells are arrayed such that ~~their~~ the central axes change consecutively.

12. (Currently Amended) The projection system of claim 10 or 11, wherein the lens cells are incorporated by connecting ~~their~~ the central axes.

13. (Currently Amended) The projection system of any of claims 8 through [[12]] 11, wherein the cylinder lens array is symmetric about its vertical bisector and about its horizontal bisector and is point-symmetric with respect to its center.

14. (Currently Amended) The projection system of any of claims 8 through [[12]] 11, wherein the lens cells are arrayed such that ~~their~~ the central axes are inclined at angles each corresponding to the sum of ~~the~~ an incidence angle of an incident beam with respect to a vertical

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central axis of the cylinder lens array and half of an angle by which the incident beam is to be rotated.

15. (Currently Amended) The projection system of any of claims 8 through [[12]] 11, wherein the cylinder lens arrays are disposed such that the light beam radially emitted from the light source is aligned so that the light distribution corresponds to the size of the light valve.

16. (Currently Amended) The projection system of any of claims 8 through [[12]] 11, further comprising a scrolling unit for scrolling an incident light beam and a color separator for separating an incident light beam into different color light beams, wherein the scrolling unit and the color separator are installed on the light path between the pair of cylinder lens arrays and the light valve.

17. (Currently Amended) The projection system of any of claims 8 through [[12]] 11, further comprising an aberration correction lens installed between the cylinder lens arrays.